



Installation Guidelines

TreeRaft SandwichPanel

Load bearing and spreading system
with a height of 50, 100, or 150 mm



Application: sandwich construction around new planted tree

This manual describes the construction of the sandwich construction around trees. In this guideline, no explanation is given on how the underlying load-bearing and submergable substrate should be processed. Apply structural soil according to the supplier's guidelines.

Other applications

Vertical drainage,
deep drainage or
wall drainage

Horizontal drainage for
heavy weight loads,
such as underground
parking facilities

Superficial drainage (eg
under water-level
paving)



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NOTE

Step 1 - Levelling the structural soil

The load-bearing structural soil must be levelled.

Load bearing and –spreading systems can only be applied on top of structural soil. Apply structural soil according to the supplier's guidelines.



NOTE



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Optional - Placement of confinement (curbs)

Adjust the work sequence depending on the situation and project conditions.

If the distance to the tree is less than 2 meters, we recommend the use of RDP (Root Directing Panels). The tree root guidance system prevents paving from being pushed up.

Step 2 - Lay out the combigrid

Place a layer of reinforced geotextile (combigrid) over the compacted and levelled structural soil.

Leave an extra overlap to fold over the boxes. With a minimum of 20cm overlap on top of the TreeRaft SandwichPanel.

Mutual overlap min 50cm.

Step 3 - Placing the TreeRaft SandwichPanels

Connect the panels in a block and connect them by sliding them together from top to bottom.

Make sure all panels face the same direction.

Step 4 - Folding over the combigrid

After placing and connecting the panels, fold over the combigrid. Minimum 20 cm combigrid should be left on top of the panels.

Folding the combigrid is essential to absorb forces.

Step 5 - Applying geotextile

Cover up the entire system with geotextile on top. Cover in such way the system is completely sealed to prevent sand from coming into the system.

Mutual overlap at least 25 cm.

Do not use stabilised sand or gravel (e.g. sand/cement mix).